

(C) WPI / DERWENT

AN - 1992-257367 [31]

AP - SU19894694496 19890523

CPY - PRPA-R

DC - E34 F09 L02

DR - 1278-U 1502-U 1706-U 1719-U 1744-U

FS - CPI

IC - C04B28/04

IN - MURDASOV-MURDA B D; RUDAKOVA G A

MC - E31-K05C E31-K05D E33-B E33-C E34-D01 E34-D03 F05-A02B L02-D03

M3 - [01] A220 A940 C101 C106 C108 C530 C550 C730 C801 C802 C803 C804 C805
C807 M411 M782 M903 M904 M910 Q324 Q453; R01278-M R01502-M- [02] A111 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M782
M903 M904 M910 Q324 Q453; R01744-M- [03] A111 A940 C017 C100 C730 C801 C803 C804 C805 C806 C807 M411 M782
M903 M904 M910 Q324 Q453; R01706-M- [04] A111 A940 B115 B712 B720 B760 B813 B831 C101 C108 C802 C804 C805
C807 M411 M782 M903 M904 M910 Q324 Q453; R01719-M- [05] A111 A220 A940 B115 B713 B720 B813 B831 C101 C108 C802 C804 C805
C807 M411 M782 M903 M904 Q324 Q453; 9231-F1501-M

PA - (PRPA-R) PERM PAPER RES INST

PN - SU1675270 A1 19910907 DW199231 C04B28/04 002pp

PR - SU19894694496 19890523

XA - C1992-114984

XIC - C04B-028/04

AB - SU1675270 The mixt. contains (in pts.wt.): Portland cement 1.0, fibrous wood waste (I) 0.3-1.0, sludge-waste from sodium hypophosphite prodn. (II) 0.7-1.1 and water 1.8-5.0. (I) is obtd. in the prodn. of hemicellulose by neutral-sulphite method on ammonium base and in the prodn. of paper base for corrugated paper. (II) contains (in wt. %): CaCO₃ 18, calcium phosphite (CaHPO₃.1.5H₂O) 30.40, sodium hypophosphite 0.17, Ca(OH)₂ 2.80, sodium phosphite (Na₂HPO₃.5H₂O) 0.15, Na₂SO₄ 0.04, NaCl 0.01 and balance water. The components are mixed, the mixt. is formed into blanks and the blanks are vibrated on vibromill at frequency 2800/min. for 120 sec. and hardened for 28 days in dry air conditions.

- Tests show that produced blanks have compressive strength after 28 days 2.5-3.2 MPa and the cone shrinkage 2.7-3.0 cm.

- USE/ADVANTAGE - In the prodn. of lightweight building materials, e.g. blocks, panels and boards. Articles of increased plasticity are obtd. by using simplified technology. Bul.33/7.9.9(Dwg. 0/0)

CN - R01278-M R01502-M R01744-M R01706-M R01719-M 9231-F1501-M

IW - START MIXTURE PRODUCE LIGHT BUILD ARTICLE CONTAIN PORTLAND CEMENT
FIBRE WOOD WASTE HEMICELLULOSE PRODUCE SLUDGE SODIUM HYPOPHOSPHITE
PRODUCE WATERIKW - START MIXTURE PRODUCE LIGHT BUILD ARTICLE CONTAIN PORTLAND CEMENT
FIBRE WOOD WASTE HEMICELLULOSE PRODUCE SLUDGE SODIUM HYPOPHOSPHITE
PRODUCE WATER

INW - MURDASOV-MURDA B D; RUDAKOVA G A

NC - 001

OPD - 1989-05-23

ORD - 1991-09-07

PAW - (PRPA-R) PERM PAPER RES INST

T1 - Starting mixt. for prodn. of light building articles - contains
Portland cement, fibrous wood waste from hemicellulose prodn., sludge
from sodium hypophosphite prodn. and water

all max
Cement 1
Fibre 1
Sludge 1.1
H₂O $\frac{5}{8.1}$